

Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (Use several sheets if necessary)		Docket Number (Optional) 4212.6US (99-0306.06/US)	Application Number Not yet assigned			
		Applicant Warr n M. Farnworth				
		Filing Date July 15, 2003	Group Art Unit Unknown			
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	
	3,325,586	06/1967	Suddick			
	4,133,590	01/1979	Muller			
	4,314,031	02/1982	Sanford et al.			
	4,468,411	08/1984	Sloan et al.			
	4,863,538	09/1989	Deckard			
	4,944,817	07/1990	Bourell et al.			
	5,013,360	05/1991	Finkelstein et al.			
	5,017,753	05/1991	Deckard			
	5,086,334	02/1992	Eberlein			
	5,089,445	02/1992	Francis			
	5,089,446	02/1992	Cornelius et al.			
	5,117,279	05/1992	Karpman			
	5,132,143	07/1992	Deckard			
	5,155,321	10/1992	Grube et al.			
	5,155,324	10/1992	Deckard et al.			
	5,156,697	10/1992	Bourell et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						YES
						NO
OTHER DOCUMENTS						(Including Author, Title, Date, Pertinent Pages, Etc.)
EXAMINER						DATE CONSIDERED
<i>J. Farnworth</i>						<i>7/28/03</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>		Docket Number (Optional) <b>4212.6US (99-0306.06/US)</b>	Application Number <b>Not yet assigned</b>
		Applicant <b>Warren M. Farnworth</b>	
		Filing Date <b>July 15, 2003</b>	Group Art Unit <b>Unknown</b>

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JF</i>	5,173,220	12/1992	Reiff et al.			
	5,182,170	01/1993	Marcus et al.			
	5,252,264	10/1993	Forderhase et al.			
	5,264,061	11/1993	Juskey et al.			
	5,278,442	01/1994	Prinz et al.			
	5,284,695	02/1994	Barlow et al.			
	5,304,329	04/1994	Dickens, Jr. et al.			
	5,316,580	05/1994	Deckard			
<i>J</i>	5,332,051	07/1994	Knowlton			
<i>JF</i>	5,340,656	08/1994	Sachs et al.			
<i>JF</i>	5,342,919	08/1994	Dickens, Jr. et al.			
<i>JF</i>	5,352,405	10/1994	Beaman et al.			
<i>JF</i>	5,385,780	01/1995	Lee			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER	<i>Warren M. Farnworth</i>	DATE CONSIDERED	<i>7/28/04</i>
----------	----------------------------	-----------------	----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>		Docket Number (Optional) <b>4212.6US (99-0306.06/US)</b>	Application Number <b>Not yet assigned</b>				
		Applicant <b>Warren M. Farnworth</b>					
		Filing Date <b>July 15, 2003</b>	Group Art Unit <b>Unknown</b>				
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>JBF</i>	5,387,380	02/1995	Cima et al.				
	5,484,314	01/1996	Farnworth				
	5,490,882	02/1996	Sachs et al.				
	5,490,962	02/1996	Cima et al.				
	5,518,680	05/1996	Cima et al.				
	5,527,877	06/1996	Dickens, Jr. et al.				
	5,648,450	07/1997	Dickens, Jr. et al.				
<i>JBF</i>	5,660,621	08/1997	Bredt				
	5,673,258	09/1997	Helbig et al.				
	5,682,065	10/1997	Farnworth et al.				
<i>JBF</i>	5,684,713	11/1997	Asada et al.				
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES      NO	
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
EXAMINER						DATE CONSIDERED	<i>HC/8/04</i>
EXAMINER Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							

Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (Use several sheets if necessary)		Docket Number (Optional) 4212.6US (99-0306.06/US)	Application Number Not yet assigned
		Applicant Warren M. Farnworth	
		Filing Date July 15, 2003	Group Art Unit Unknown

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JK</i>	5,705,117	01/1998	O'Connor et al.			
	5,733,497	03/1998	McAlea et al.			
	5,749,041	05/1998	Lakshminarayan et al.			
	5,775,402	07/1998	Sachs et al.			
	5,807,437	09/1998	Sachs et al.			
	5,814,161	09/1998	Sachs et al.			
	5,817,206	10/1998	McAlea et al.			
	5,851,465	12/1998	Bredt			
	5,855,836	01/1999	Leyden et al.			
	5,869,170	02/1999	Cima et al.			
<i>JK</i>	5,877,093	03/1999	Heffner et al.			
	5,903,044	05/1999	Farnworth et al.			
	5,958,100	09/1999	Farnworth et al.			
	6,046,507	04/2000	Hatchard et al.			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	<i>David J. Farnworth</i>	DATE CONSIDERED	<i>7/28/04</i>

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Substitute for form 1449A/PTO		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/619,918
		Filing Date	July 15, 2003
		First Named Inventor	Warren M. Farnworth
		Group Art Unit	Unknown
		Examiner Name	Unknown
(use as many sheets as necessary)			
Sheet	1	of	1
Attorney Docket Number			2269-4212.6US (99-0306.06/US)

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**Examiner  
Signature**

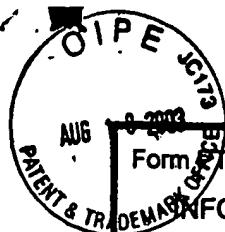
**Date  
Considered**

# History

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



(2-92)

Sheet 1 of 1

Sheet 1 of 1

Form PTO-1449 <b>DEMAND FOR INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)				Docket Number (Optional) <b>2269-4212.6US (99-0306.06/US)</b>		Application Number <b>10/619,918</b>	
				Applicant <b>Warren M. Farnworth</b>			
				Filing Date <b>July 15, 2003</b>		Group Art Unit <b>Unkn wn</b>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>PF</i>	4,400,870	08/1983	Islam				
<i>PF</i>	6,326,698 B1	12/2001	Akram				
<b>FOREIGN PATENT DOCUMENTS</b>							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation		
					YES	NO	
<b>OTHER DOCUMENTS</b>						(Including Author, Title, Date, Pertinent Pages, Etc.)	
<b>EXAMINER</b> <i>Janet, Jelk</i>		<b>DATE CONSIDERED</b> <i>7/28/04</i>					
<b>EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

(2-92)

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

N:\2269\4212.6\PTO-1449.WPD



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Substitute for form 1449A/PTO**

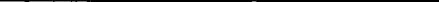
## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Substitute for form 1449A/PTO		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	10/619,918
		Filing Date	July 15, 2003
		First Named Inventor	Warren M. Farnworth
		Group Art Unit	2812
		Examiner Name	Unknown
Sheet	1	of	4
		Attorney Docket Number	4212.6US (99-0306.06/US)

## **U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	7/28/04
-----------------------	---	--------------------	---------

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08B(10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

of

4

### Complete if Known

Application Number	10/619,918
Filing Date	July 15, 2003
First Named Inventor	Warren M. Farnworth
Group Art Unit	2812
Examiner Name	Unknown
Attorney Docket Number	4212.6US/99-0306.06/LJS

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>W.M.F.</i>		U.S. Patent Application Publication No. 2002/0098623 A1 to Akram, dated July 25, 2002	
		U.S. Patent Application Publication No. 2002/0171177 A1 to Kritchman et al., dated November 21, 2002	
		U.S. Patent Application Publication No. 2003/0003180 A1 to Farnworth et al., dated January 2, 2003	
		U.S. Patent Application Publication No. 2003/0003380 A1 to Farnworth et al., dated January 2, 2003	
		U.S. Patent Application Publication No. 2003/0003405 A1 to Farnworth et al., dated January 2, 2003	
		U.S. Patent Application Publication No. 2003/0043360 A1 to Farnworth, dated March 6, 2003	
		U.S. Patent Application Publication No. 2003/0068584 A1 to Farnworth et al., dated April 10, 2003	
		U.S. Patent Application Publication No. 2003/0072926 A1 to Grigg et al., dated April 17, 2003	
<i>W.M.F.</i>		U.S. Patent Application Publication No. 2003/0077418 A1 to Grigg et al., dated April 24, 2003	
		U.S. Patent Application Publication No. 2003/0089999 A1 to Akram, dated May 15, 2003	
<i>W.M.F.</i>		U.S. Patent Application Publication No. 2003/0092220 A1 to Akram, dated May 15, 2003	

Examiner Signature

Date Considered

*7/28/04*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

3

of 4

***Complete if Known***

Application Number	10/619,918
Filing Date	July 15, 2003
First Named Inventor	Warren M. Farnworth
Group Art Unit	2812
Examiner Name	Unknown
Attorney Docket Number	4212 6LIS (99-0306 06/LIS)

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
(PF)		U.S. Patent Application Publication No. 2003/0093173 A1 to Farnworth et al., dated May 15, 2003	
		U.S. Patent Application Publication No. 2003/0102566 A1 to Farnworth, dated June 5, 2003	
		U.S. Patent Application Publication No. 2003/0151167 A1 to Kritchman et al., dated August 14, 2003	
		U.S. Patent Application Publication No. 2003/0201531 A1 to Farnworth et al., dated October 30, 2003	
		U.S. Patent Application Publication No. 2003/0203158 A1 to Farnworth et al., dated October 30, 2003	
		U.S. Patent Application Publication No. 2003/0207213 A1 to Farnworth, dated November 6, 2003	
		MILLER et al., "Maskless Mesoscale Materials Deposition", Deposition Technology, September 2001, pages 20-22	
		MILLER, "New Laser-Directed Deposition Technology", Microelectronic Fabrication, August 2001, page 16	
		Webpage, Objet Prototyping the Future, Objet FullCure 700 Series, 1 page	
		Webpage, Objet Prototyping the Future, How it Works, 2 pages	
(PF)		U.S. Patent Application No. 09/589,841, filed June 8, 2000, entitled "Stereolithographic Methods for Forming a Protective Layer on a Semiconductor Device Substrate and Substrates Including Protective Layers So Formed", inventor Farnworth et al.	

Examiner Signature	<i>David F. Farnworth</i>	Date Considered	<i>7/28/04</i>
--------------------	---------------------------	-----------------	----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08B(10-01)

Approved for use through 10/31/2002, OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

4

of

4

### Complete if Known

Application Number	10/619,918
Filing Date	July 15, 2003
First Named Inventor	Warren M. Farnworth
Group Art Unit	2812
Examiner Name	Unknown
Attorney Docket Number	4212 61IS (99-0306 061IS)

### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
WF		U.S. Patent Application No. 09/651,930, filed August 31, 2000, entitled "Semiconductor Device Including Leads in Communication with Contact Pads Thereof and a Stereolithographically Fabricated Package Substantially Encapsulating the Leads and Methods for Fabricating the Same", inventor Salman Akram	
		U.S. Patent Application No. 10/370,755, filed February 20, 2003, entitled "Chip Scale Package Structures and Method of Forming Conductive Bumps Thereon", inventor Warren M. Farnworth	
		U.S. Patent Application No. 10/608,749, filed June 26, 2003, entitled "Methods for Labeling Semiconductor Device Components", inventor Grigg et al.	
		U.S. Patent Application No. 10/672,098, filed September 26, 2003, entitled "Apparatus and Method for Use in Stereolithographic Processing of Components and Assemblies", inventor Warren M. Farnworth	
		U.S. Patent Application No. 10/690,417, filed October 20, 2003, entitled "Methods of Coating and Singulating Wafers and Chip-Scale Packages Formed Therefrom", inventor Farnworth et al.	

Examiner Signature

Date Considered

12/28/09

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.